



Ordered From: 11157 - 001 (925)829-5470 Traffic Safety Supply 11438 Dillon Wy Dublin CA 94568	ORDER DATE 04/12/2004	Bill To: City of Sunnyvale Accounts Payable PO Box 3707 Sunnyvale CA 94088-3707
	DELIVERY DATE 06/14/2004	
	PAYMENT TERMS N/30	
	BID NO/RFQ NO	
Deliver To: PW/Traffic Engineering 456 W Olive Ave Sunnyvale CA 94086 Phone: (408) 730-7427	FOB POINT DEST	FREIGHT CHARGES Destination, freight included in price
	REQ. NO	REQUISITIONER:
	CHARGE/OBJ CODE(S): 820180 5095 \$101,458.40	

Item	Description	Qty:	Unit	Unit Cost:	Total:
1	Type 333 Traffic Signal Controller Cabinets, powder coated, beige #TCIP009-BG02, to be furnished in accordance with the specifications, terms and conditions set forth in Invitation for Bids #F0302-50. A copy of the cabinet specifications is attached and incorporated by reference (one page). Awarded by Council 4/20/2004, RTC # _____ Purchase Requisition # 2467 Requisitioner: Dennis Ng x7412 Vendor Contact: Vincent Perez	6.00	EA	\$15,621.0000	\$93,726.00



Item	Description	Qty:	Unit	Unit Cost:	Total:
2	Sales Tax (8.25%)	1.00	LOT	\$7,732.4000	\$7,732.40
Total:					\$101,458.40

Buyer: Gakle, David

Phone: (408) 730-7403

Fax: (408) 730-7710

SECTION III. SPECIFICATIONS

- A. **Product** – The successful bidder shall provide six (6) Model 333 Traffic Signal Controller Cabinets, powder coated (Beige # TCIP009-BG02). These cabinets shall be used to replace existing NEMA P-Cabinets at the intersections of Mary/California/Buena Vista, Mary/Corta Madera, Mary/Washington, Mary/Olive, Mary/Iowa and Evelyn/Aster Avenues in Sunnyvale, California. Each cabinet shall consist of two (2) 336 racks mounted side by side. Each 333 Cabinet shall also have four (4) doors: two (2) side-by-side doors to access the front of the cabinet and two (2) side-by-side doors to access the back of the cabinet.
- B. **Components** – Each cabinet shall include the following components, installed and operational:
1. One (1) Model 170E Traffic Signal Controller with 412C Prom Module
 2. BiTran's 233RV2.X software
 3. One (1) GDI Model 496 Internal Modem
 4. Ten (10) Reno A&E Model C-1100 Detectors
 5. One (1) Emtrac Fire Preemption Receiver for Type 170 Controllers
 6. Twelve (12) Model 200 Load Switches
 7. Four (4) Model 242 DC Isolator Cards
 8. Two (2) Model 204 Flashers
 9. Four (4) Flash Transfer Relays
 10. One (1) Model 2010 ECL Conflict Monitor with red monitor cable and communications cable to connect to 170E
 11. One (1) Model PDA #2 Combined Power Supply with power distribution assembly
 12. Two (2) Fluorescent Lighting Fixtures, front and back
 13. One (1) Pull-out drawer
 14. Two (2) door-mounted, weather-tight Document Holders
 15. One (1) 6" inch high P-to-P Cabinet Base Adapter
 16. One additional non-GFI Power Strip with minimum six (6) outlets
- C. **Rack Configuration** – The racks shall be configured, as follows:
1. Left Rack – space for two (2) controllers on top, pull-out drawer, the PDA#2 combined power supply and distribution assembly, the output file, and the service panel mounted on the bottom left side.
 2. Right Rack – the I and J input files; the rack-mounted fiberoptic splice tray, below which shall be three shelves for storing equipment; and the input panel mounted on the bottom right side (same panel as found in a 332 cabinet).
- D. **Cabinet Wiring** – Each cabinet shall be wired for red monitoring with a C5 wire harness/connector and C2 cable for communication through copper interconnect. Cabinets shall also be supplied with rack-mount fiberoptic splice enclosure and shall accommodate up to twelve (12) splices of fiberoptic cable with ST connectors.
- E. **Delivery** – Cabinets shall be delivered to the Signal Maintenance Inc. (SMI) Storage Yard at 3375 Woodward Avenue, Santa Clara CA 95054. All deliveries shall be coordinated through Dennis Ng, PW/Traffic Engineering at (408) 730-7412.